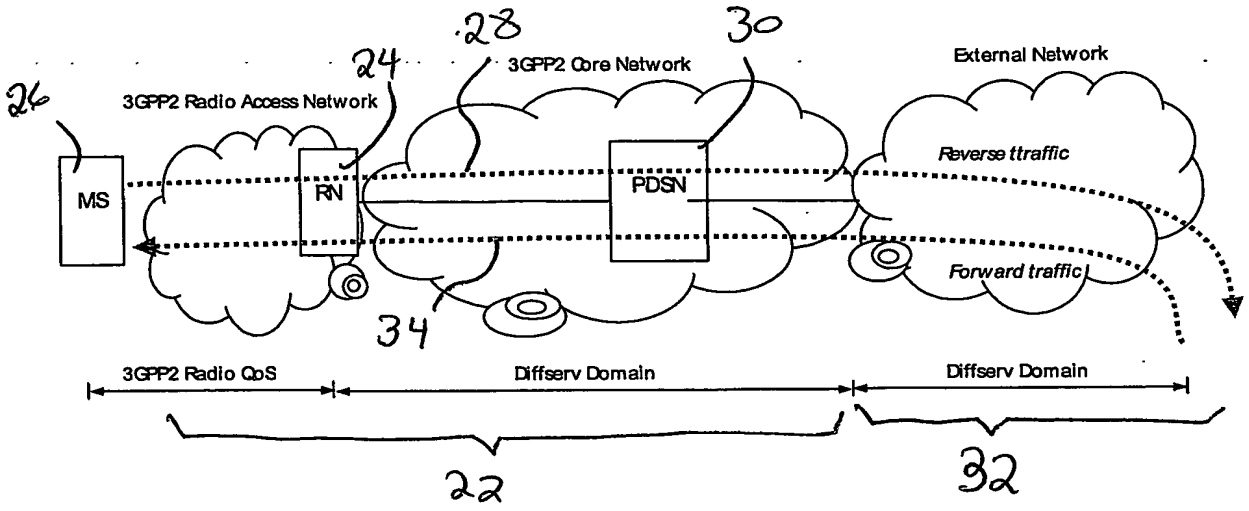


Figure 1:
Prior Art

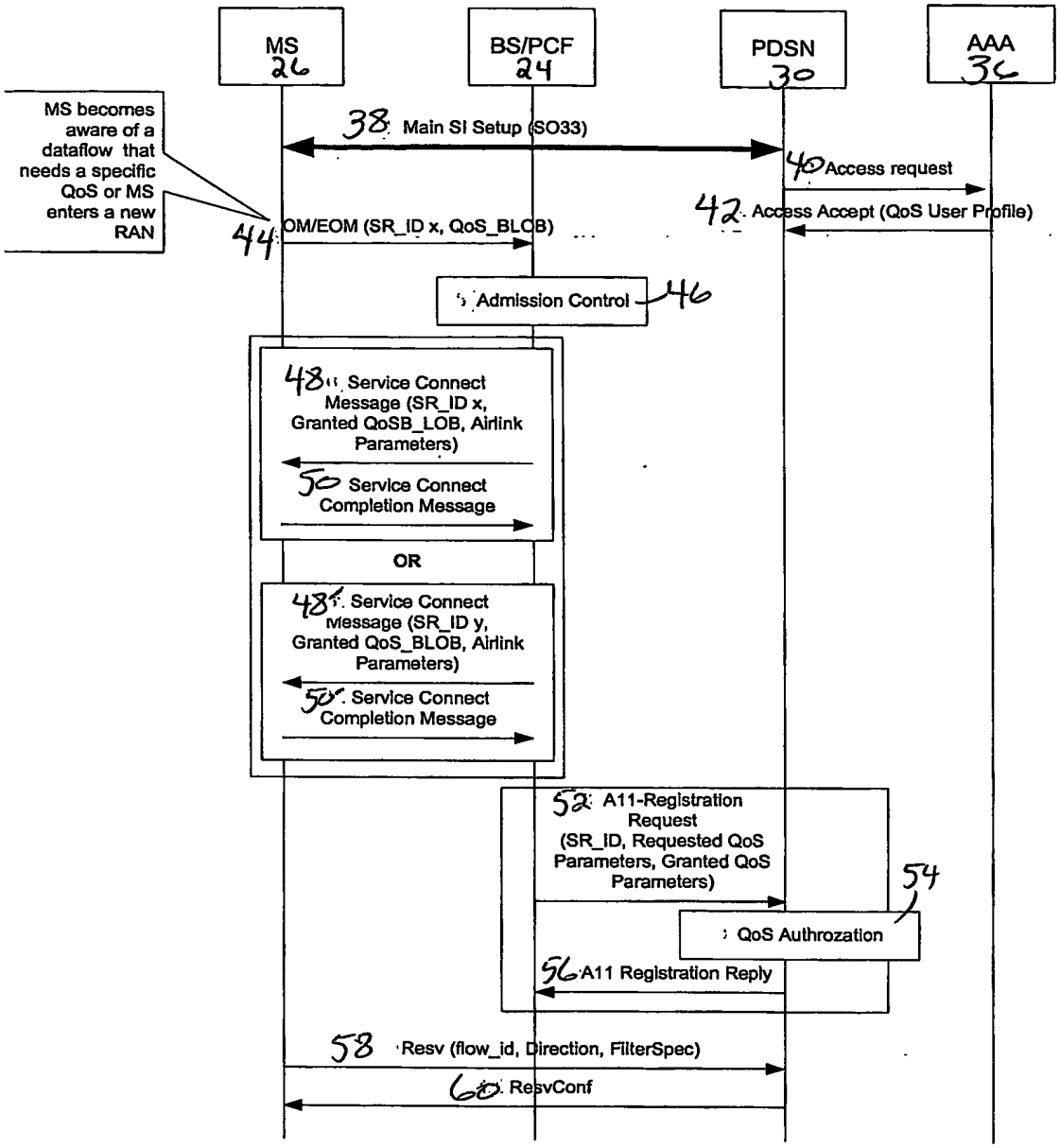

MS
26
BS/PCF
24
PDSN
30
AAA
36
MS becomes aware of a dataflow that needs a specific QoS or MS enters a new RAN
38 Main SI Setup (SO33)
40 Access request
42 Access Accept (QoS User Profile)
44 OM/EOM (SR_ID x, QoS_BLOB)
Admission Control
46
48 Service Connect Message (SR_ID x, Granted QoSB_LOB, Airlink Parameters)
50 Service Connect Completion Message
OR
48' Service Connect Message (SR_ID y, Granted QoS_BLOB, Airlink Parameters)
50' Service Connect Completion Message
52 A11-Registration Request (SR_ID, Requested QoS Parameters, Granted QoS Parameters)
54
QoS Authrozation
56 A11 Registration Reply
58 Resv (flow_id, Direction, FilterSpec)
60 ResvConf

Figure 2

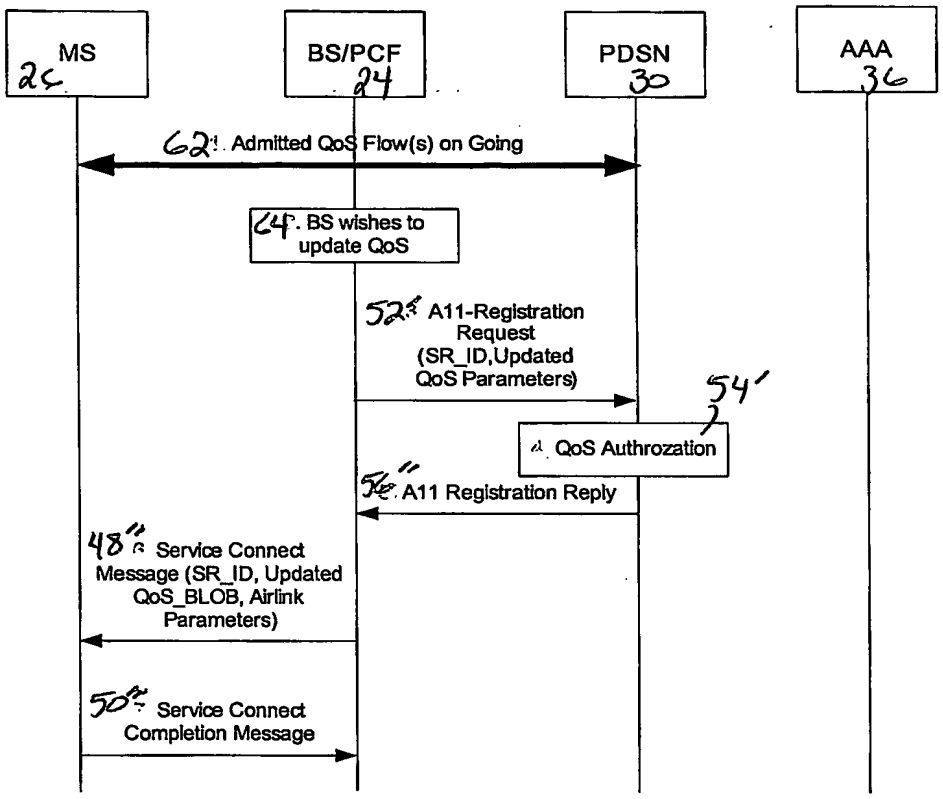

MS
25
BS/PCF
24
PDSN
30
AAA
36
62. Admitted QoS Flow(s) on Going
64. BS wishes to update QoS
52. A11-Registration Request (SR_ID,Updated QoS Parameters)
54
QoS Authrozation
56. A11 Registration Reply
48. Service Connect Message (SR_ID, Updated QoS_BLOB, Airlink Parameters)
50. Service Connect Completion Message

Figure 3

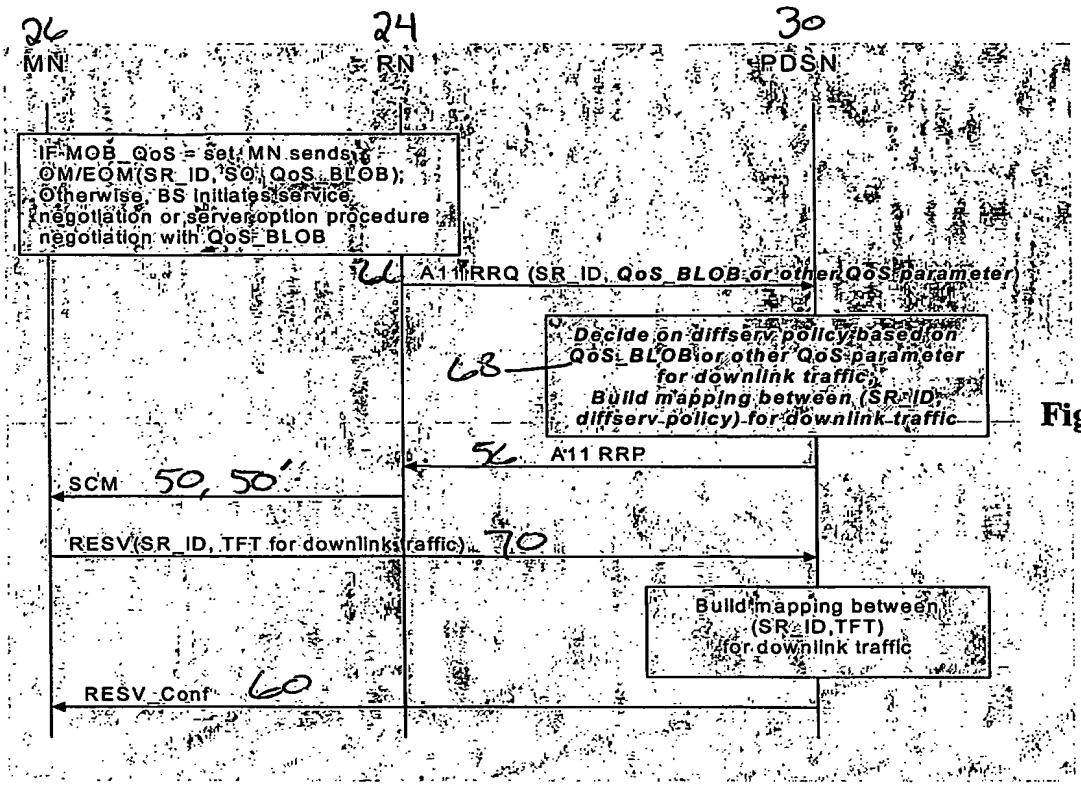


Figure 4A

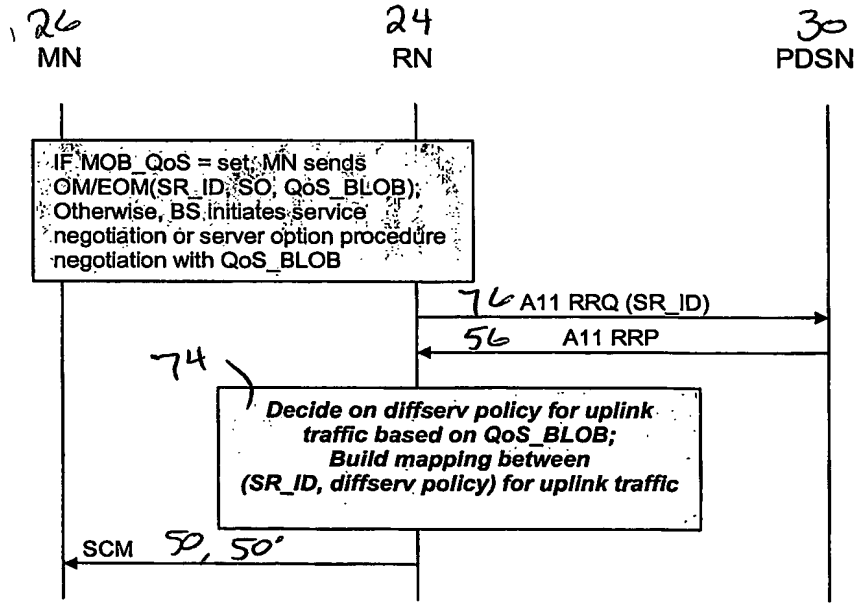


Figure 4B

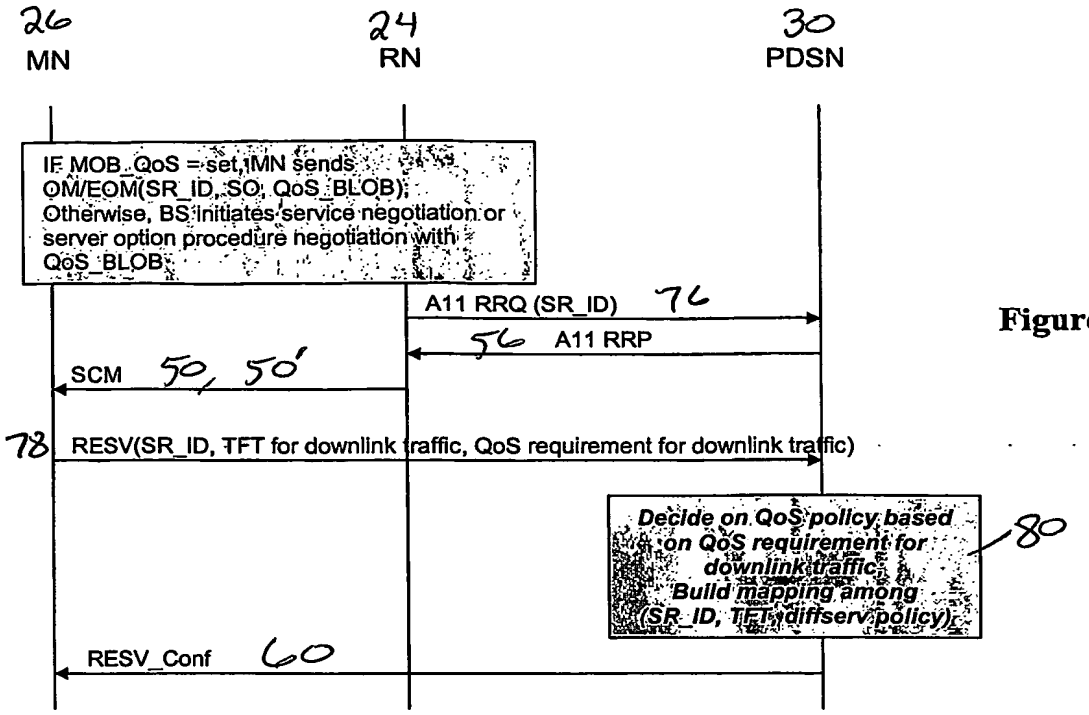


Figure 5A

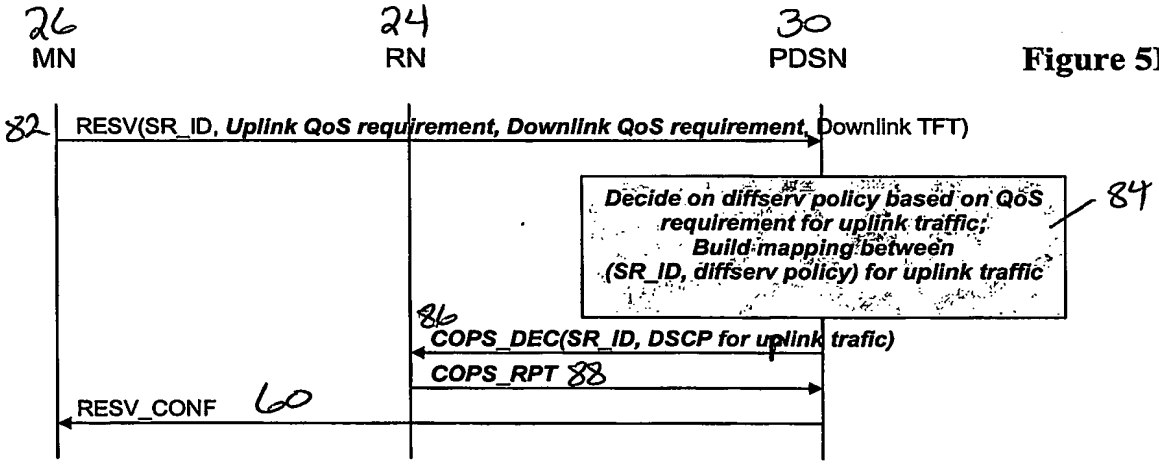


Figure 5B

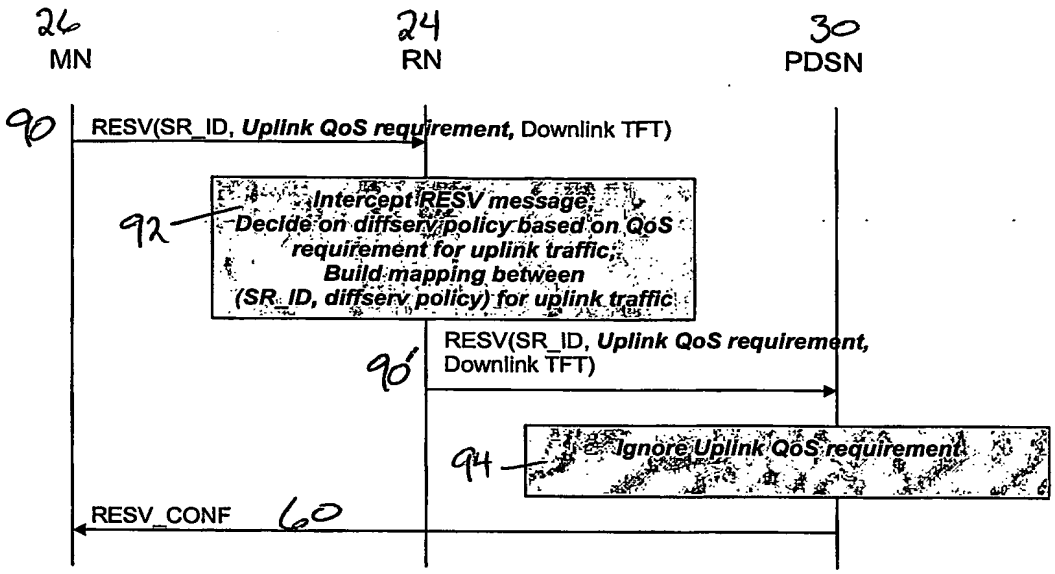

26
MN
24
RN
30
PDSN
90
RESV(SR_ID, Uplink QoS requirement, Downlink TFT)
92
Intercept RESV message
Decide on diffserv policy based on QoS requirement for uplink traffic;
Build mapping between
(SR_ID, diffserv policy) for uplink traffic
90'
RESV(SR_ID, Uplink QoS requirement, Downlink TFT)
94
Ignore Uplink QoS requirement
RESV_CONF
60

Figure 6

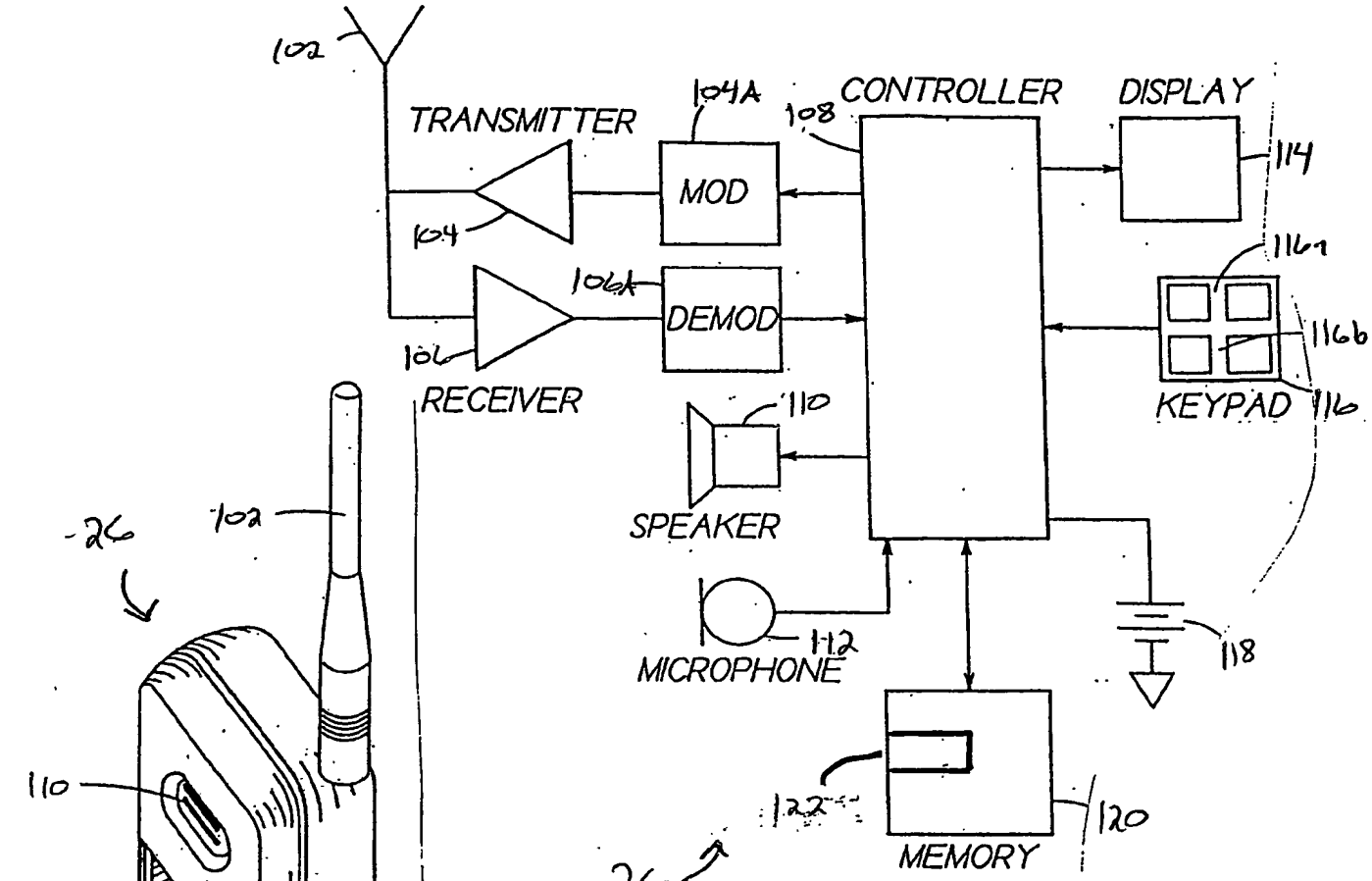
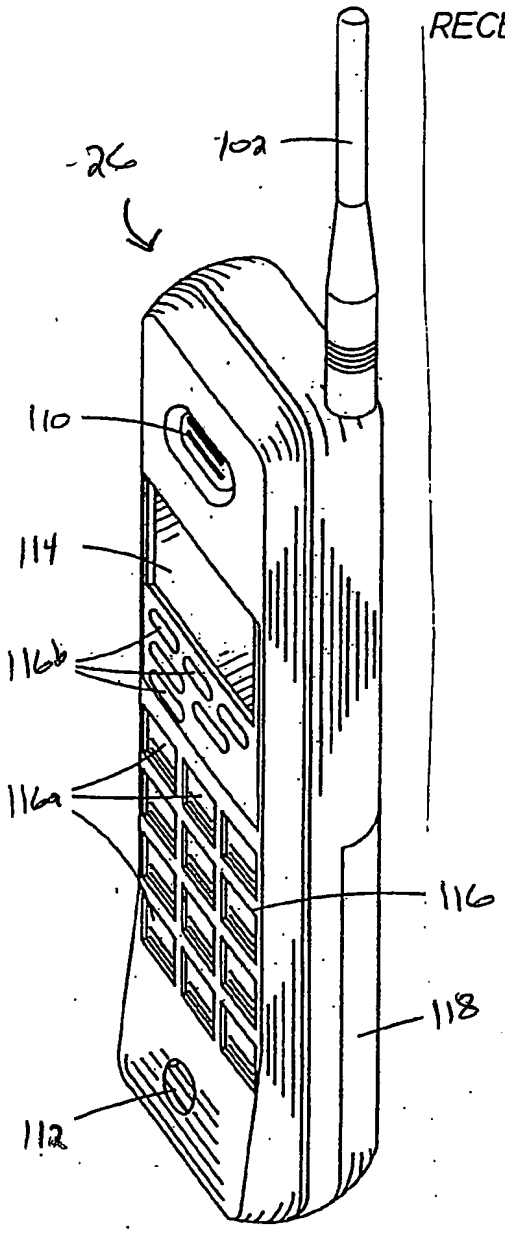


Figure 7B



← Figure 7A

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